

AMENDMENTS TO THE CLAIMS

Claims 1-2. (Cancelled)

Claim 3. (Currently amended) ~~A method to identify molecules that comprise a region that specifically binds to prominin-1~~ The method according to Claim 6 comprising:

- exposing prominin-1 or nucleic acids encoding prominin-1 to at least one molecule whose ability to suppress or prevent pathological angiogenesis is sought to be determined;
- determining binding or hybridizing of said molecule(s) to prominin-1 or nucleic acids encoding prominin-1, and
- monitoring said pathological angiogenesis when administering said molecules as a medicament.

Claim 4. (New) The method of claim 3, wherein determination is by binding of prominin-1 to the molecule, and wherein the binding is by immunoassay.

Claim 5. (New) The method of claim 3, wherein prominin-1 is exposed to the molecule and wherein either the prominin-1 or the molecule are immobilized.

Claim 6. (New) A method of screening for molecules for the treatment of pathological angiogenesis comprising identifying molecules that inhibit the expression and/or activity of prominin-1.

Claim 7. (New) The method of Claim 6, wherein the molecules are identified by:

- providing a mammalian knock-out model that does not express prominin-1;
- administering a molecule to be tested to the knock-out model;
- comparing the effects of the molecule in the knock-out model to effects of the molecule in a corresponding normal subject; and
- identifying molecules that have a different effect in the knock-out model compared to the normal subject.

Claim 8. (New) The method of Claim 7, wherein the mammal is a mouse.

Claim 9. (New) The method of Claim 7, further comprising simulating a disease condition or injury in the mammalian knock-out model and in the normal subject.

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Claim 10. (New) The method of claim 9, wherein the simulated disease condition or injury comprises pathological blood vessel formation.

Claim 11. (New) A molecule identified by the method of claim 6.